

FIG. 1

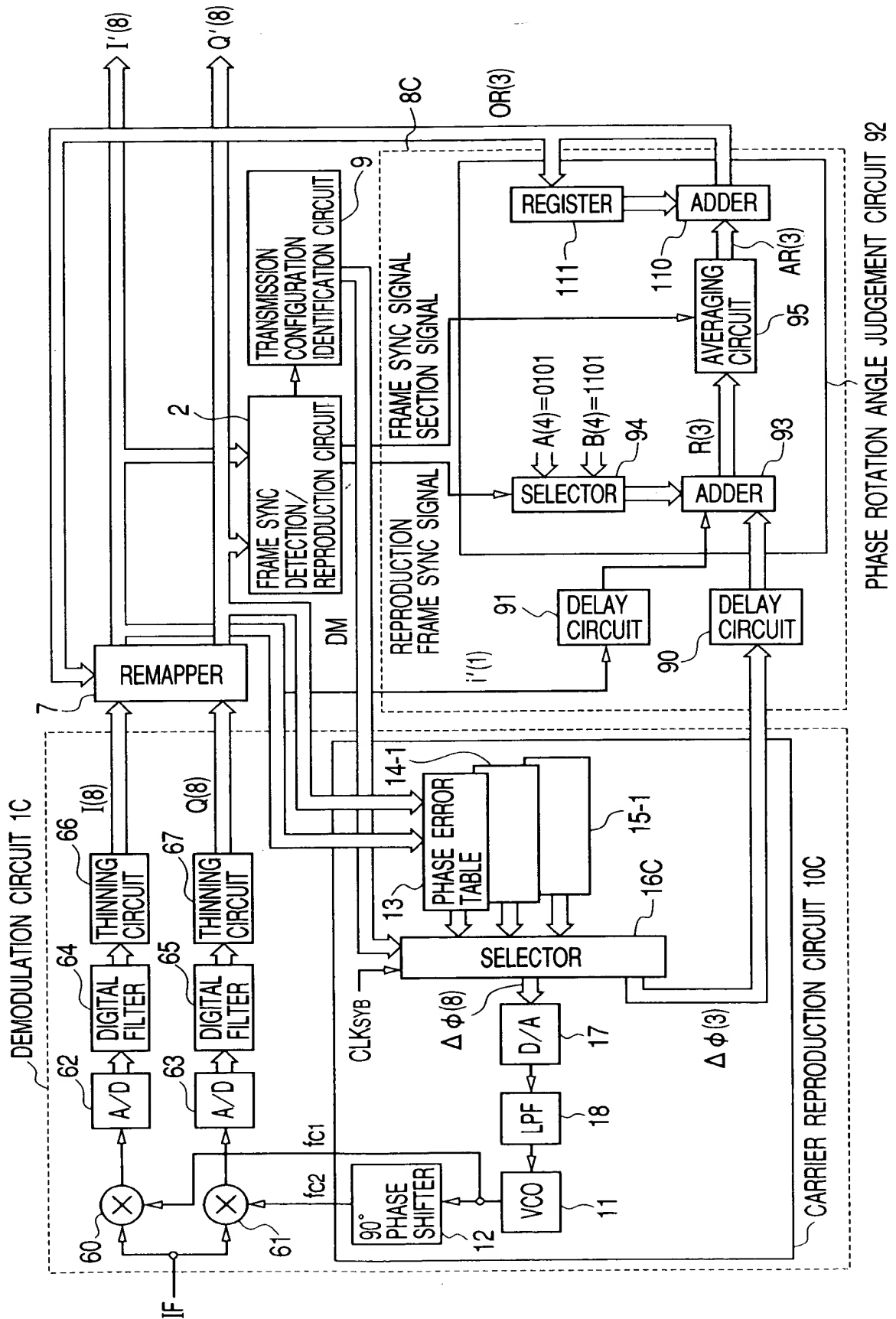


FIG. 2A

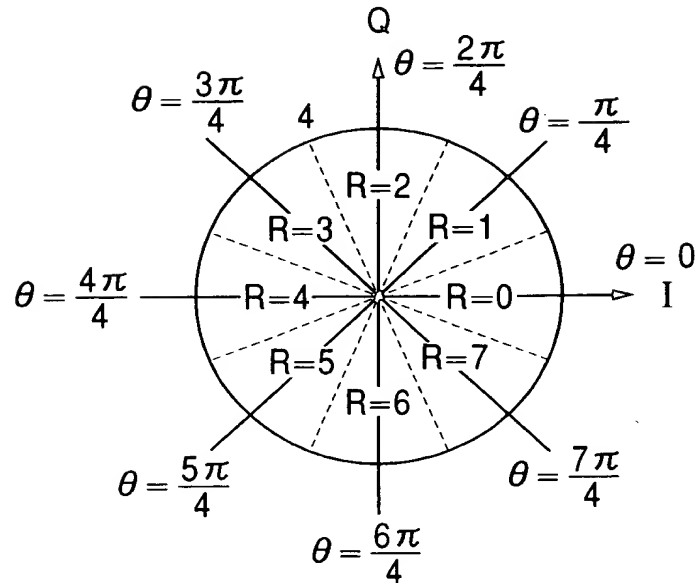
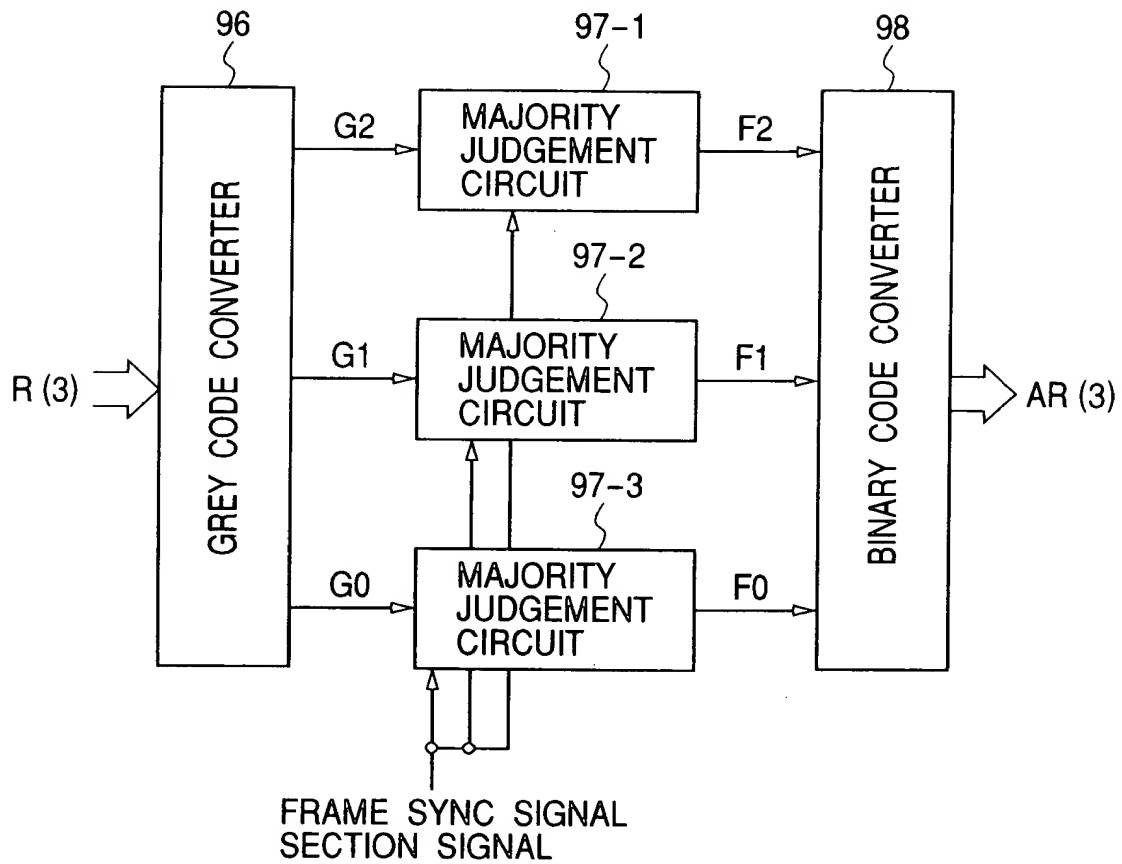


FIG. 2B

$\theta$	R	R(3)
0	0	000
$\pi/4$	1	001
$2\pi/4$	2	010
$3\pi/4$	3	011
$4\pi/4$	4	100
$5\pi/4$	5	101
$6\pi/4$	6	110
$7\pi/4$	7	111

FIG. 3

## AVERAGING CIRCUIT 95



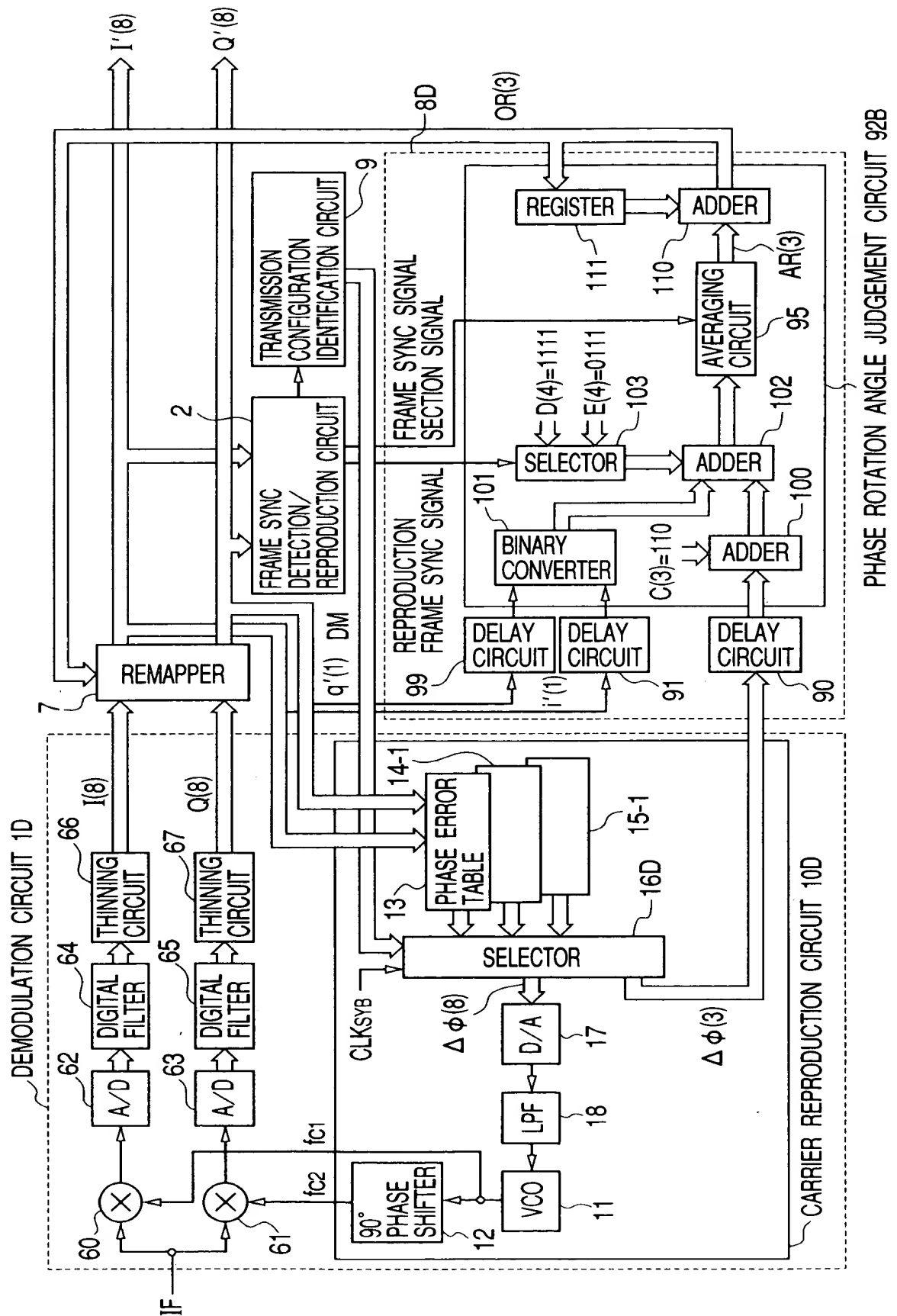
*FIG. 4A*

INPUT	OUTPUT
0 0 0	0 0 0
0 0 1	0 0 1
0 1 0	0 1 1
0 1 1	0 1 0
1 0 0	1 1 0
1 0 1	1 1 1
1 1 0	1 0 1
1 1 1	1 0 0

*FIG. 4B*

INPUT	OUTPUT
0 0 0	0 0 0
0 0 1	0 0 1
0 1 1	0 1 0
0 1 0	0 1 1
1 1 0	1 0 0
1 1 1	1 0 1
1 0 1	1 1 0
1 0 0	1 1 1

FIG. 5



*FIG. 6*

INPUT (q (1) i (1))	OUTPUT
0 0	0 0
0 1	0 1
1 1	1 0
1 0	1 1

FIG. 7

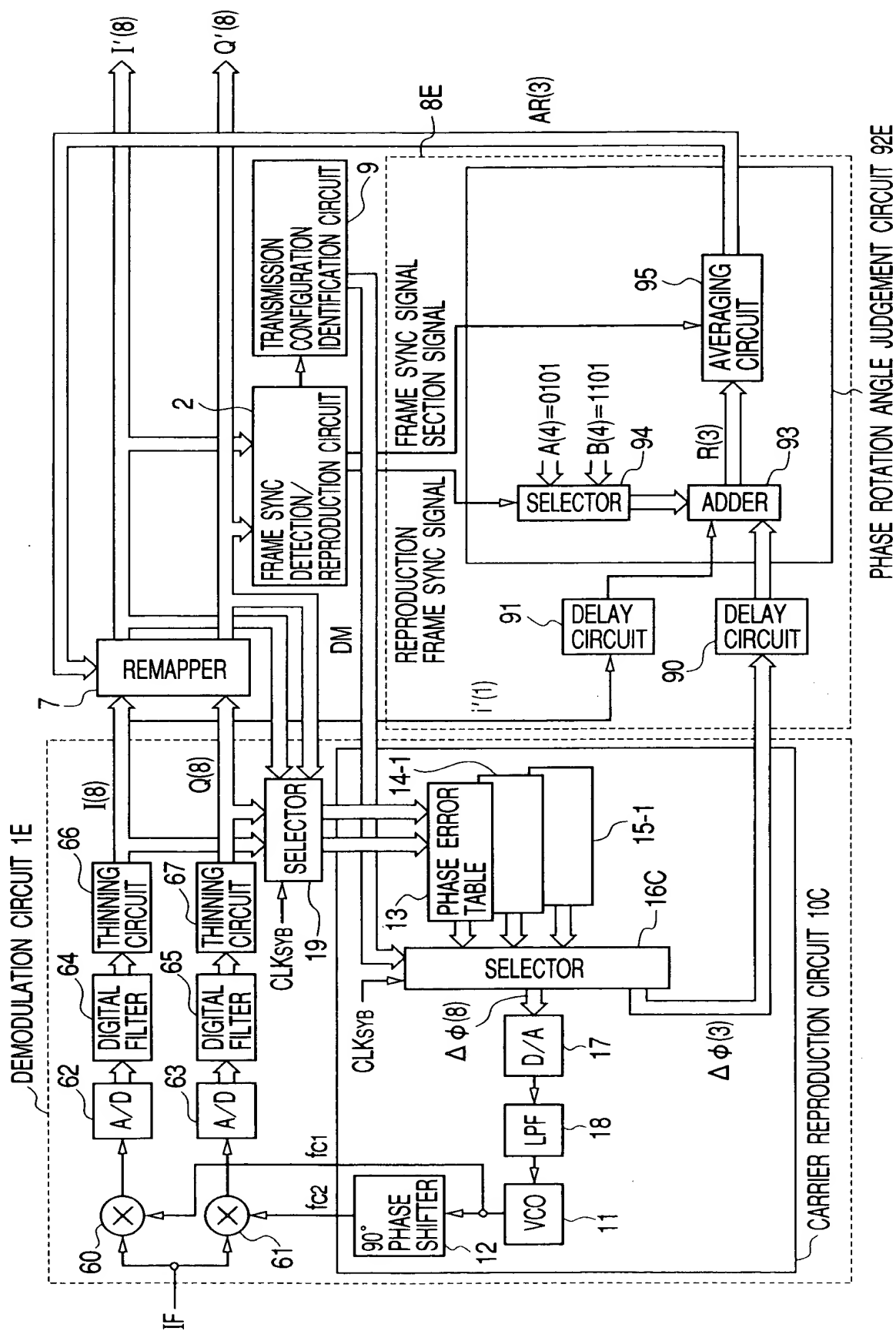
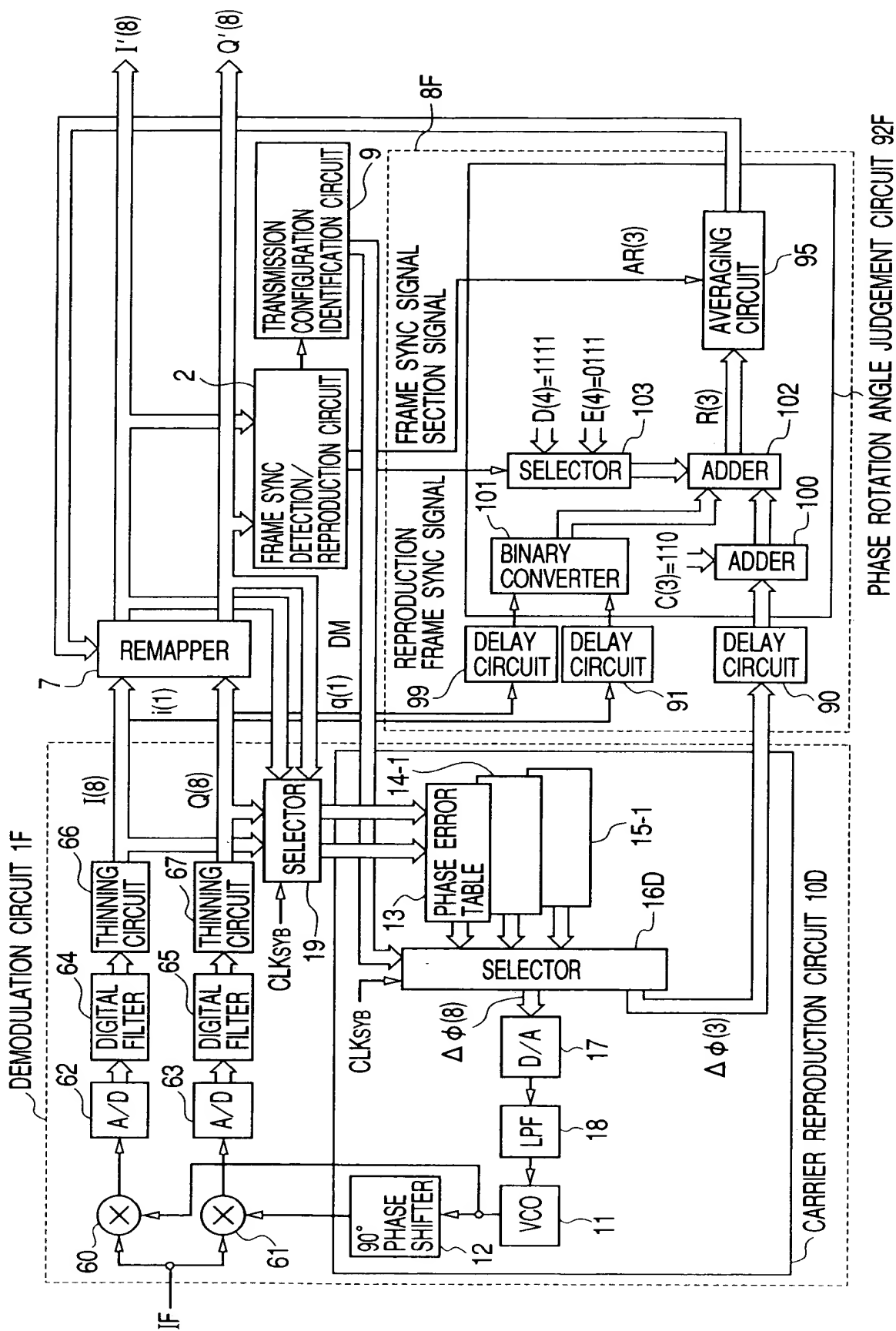


FIG. 8





1 FRAME (39936 SYMBOLS)								
32	128	32	203	4	203	4	203	4
FRAME SYNC SIGNAL BPSK	TMCC BPSK	SUPER-FRAME IDENTIFICATION SIGNAL BPSK	MAIN SIGNAL TC8PSK	BS	MAIN SIGNAL TC8PSK	BS	MAIN SIGNAL QPSK	BS

1 FRAME (39936 SYMBOLS)										
MODULATION METHOD IDENTIFICATION SIGNAL DM	32	128	32	203	4	203	4	203	4	
	BPSK		8PSK	BPSK	8PSK	BPSK		QPSK	BPSK	QPSK
OUTPUT OF DEMODULATION CIRCUIT	32	128	32	203	4	203	4	203	4	
	FRAME SYNC SIGNAL (BPSK)	TMCC (BPSK)	SUPER- FRAME IDENTIFICA- TION SIGNAL (BPSK)	MAIN SIGNAL (TC8PSK)	BS	MAIN SIGNAL (TC8PSK)	BS	MAIN SIGNAL (QPSK)	BS	MAIN SIGNAL (QPSK)

CLK<sub>SYB</sub>

FIG. 10

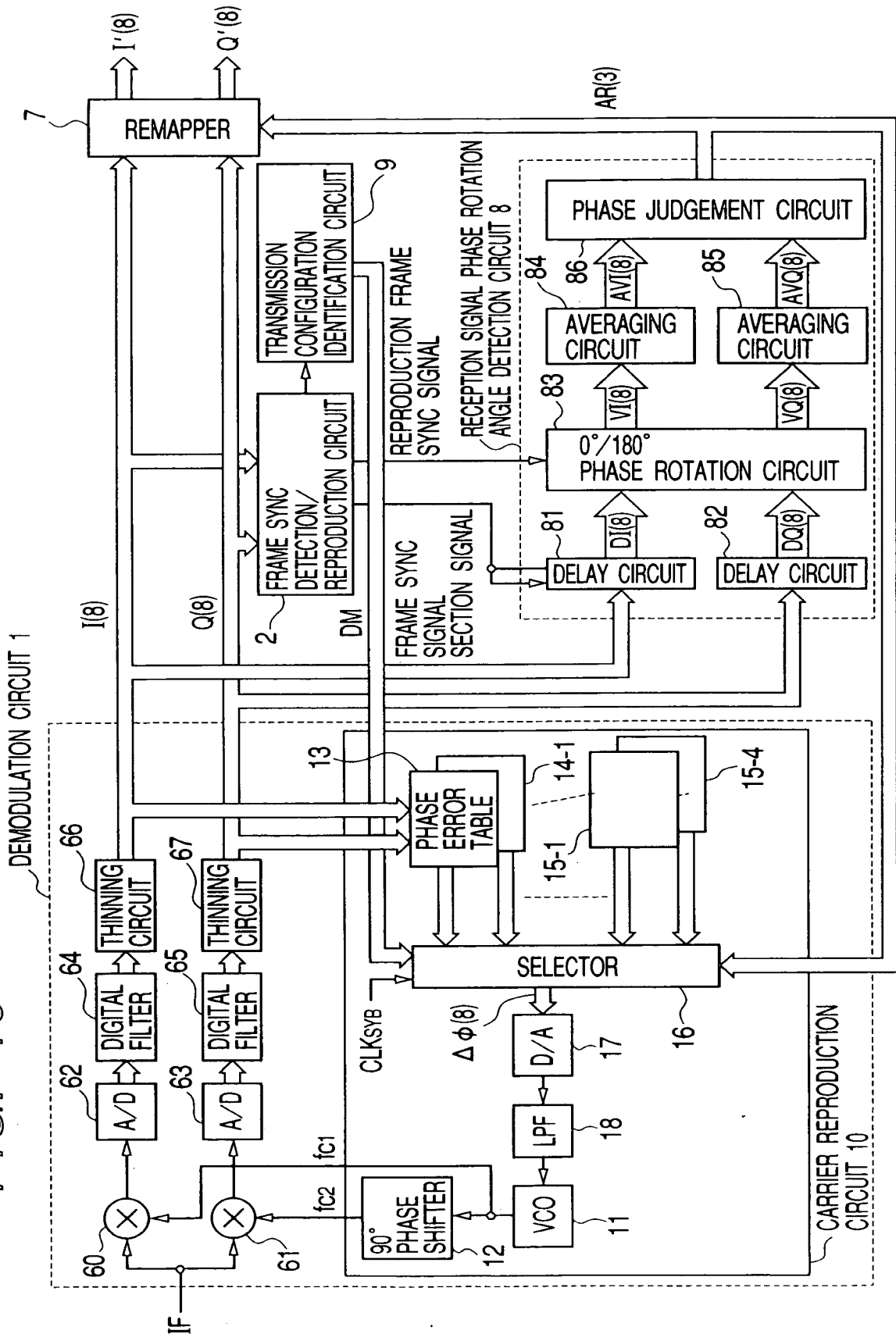


FIG. 11A

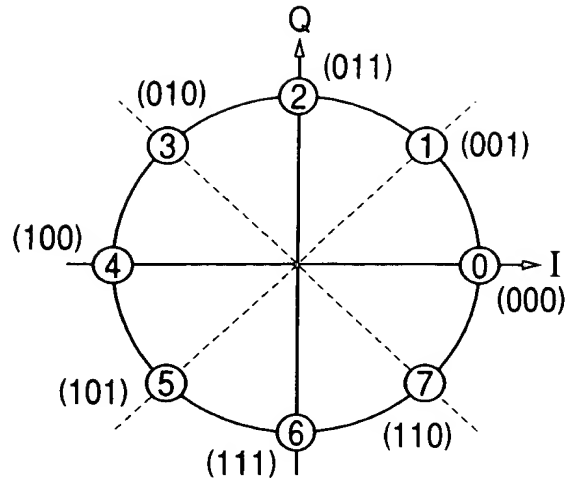


FIG. 11B

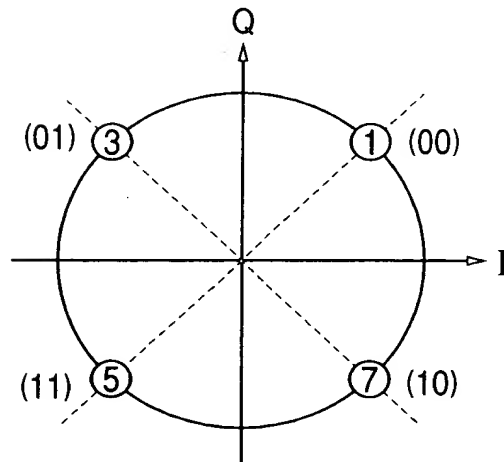
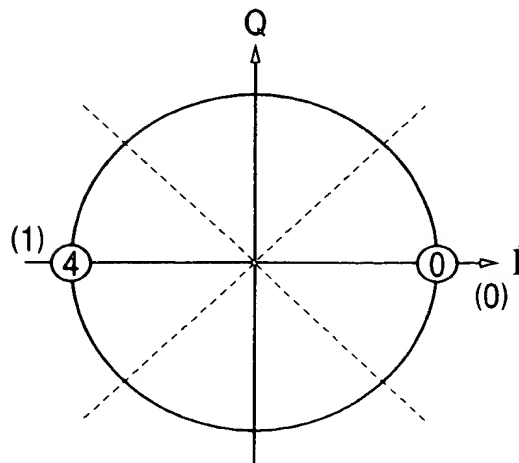


FIG. 11C



12/26

FIG. 12

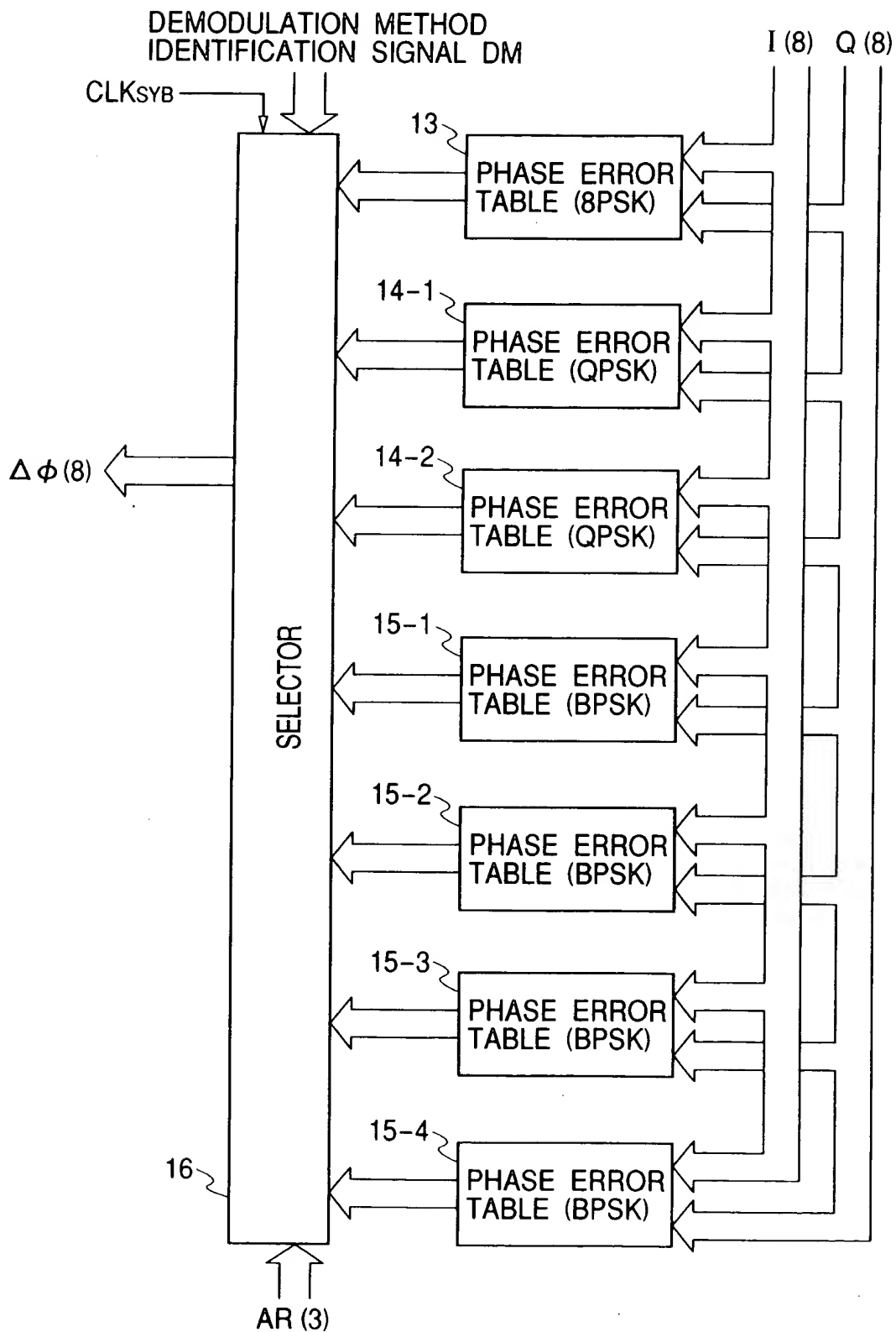


FIG. 13

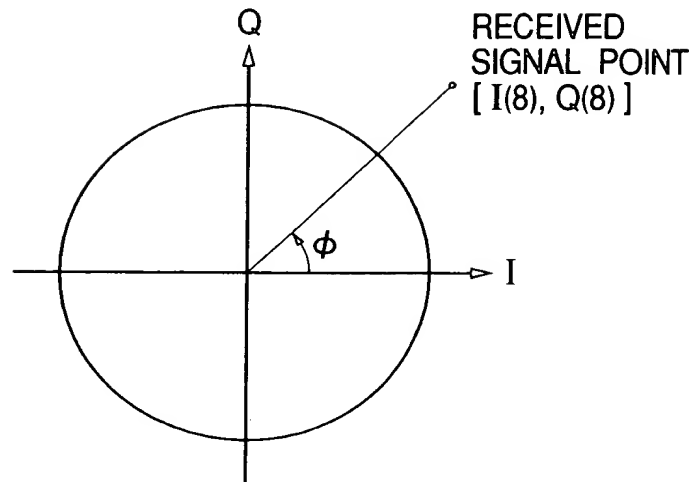


FIG. 14

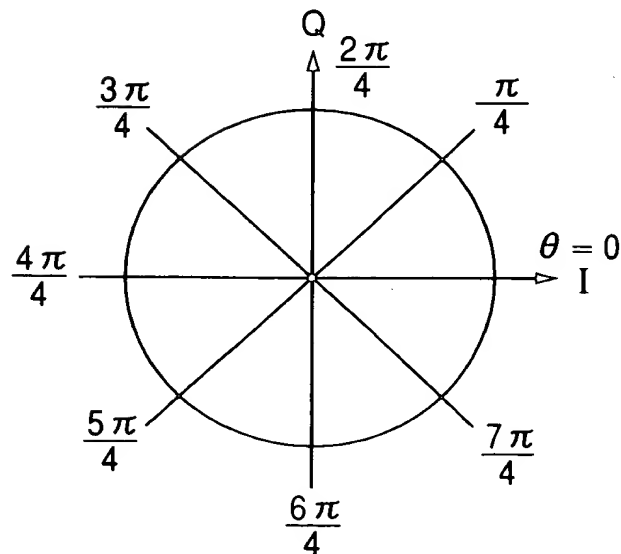


FIG. 15

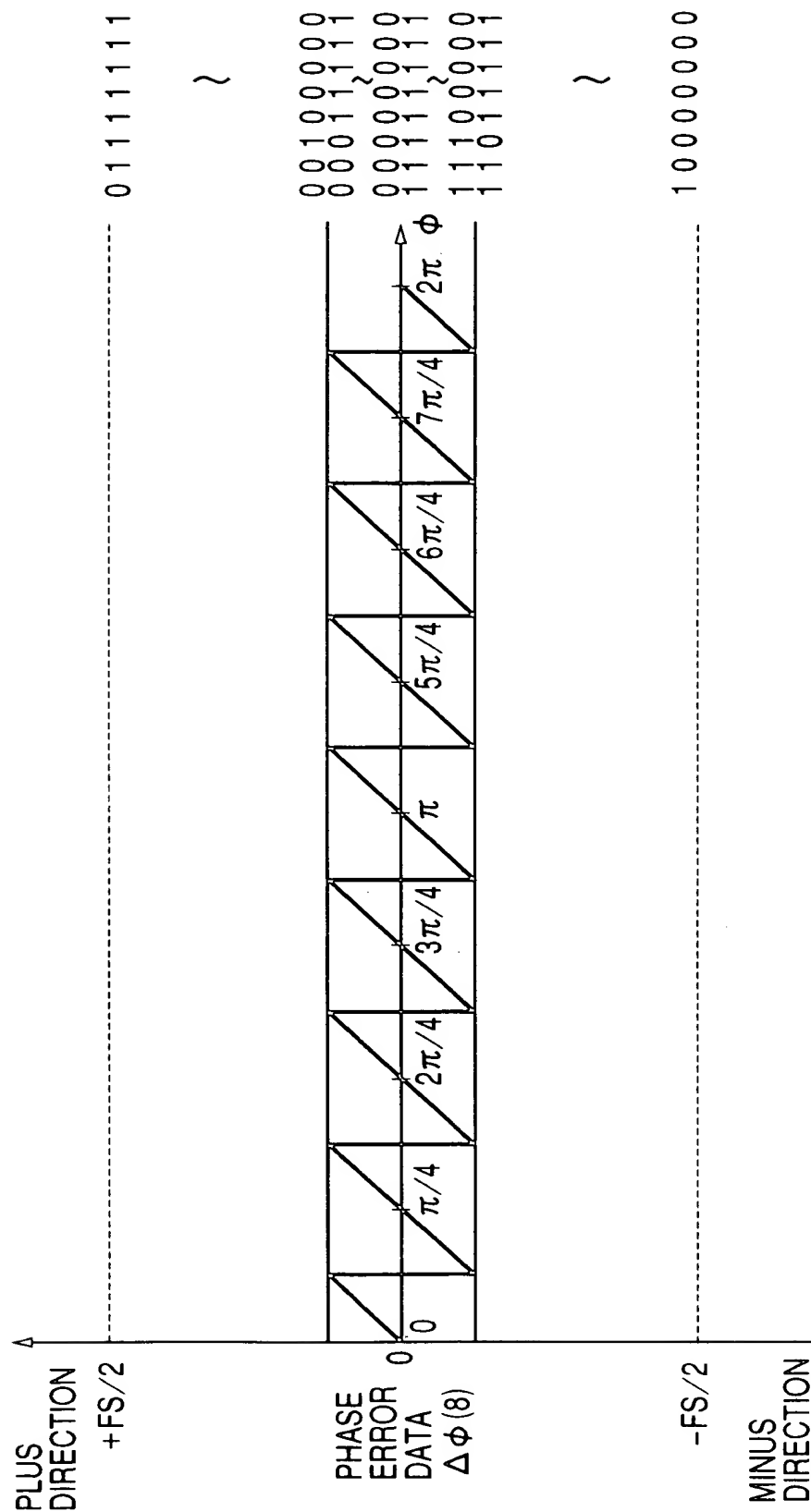








FIG. 18

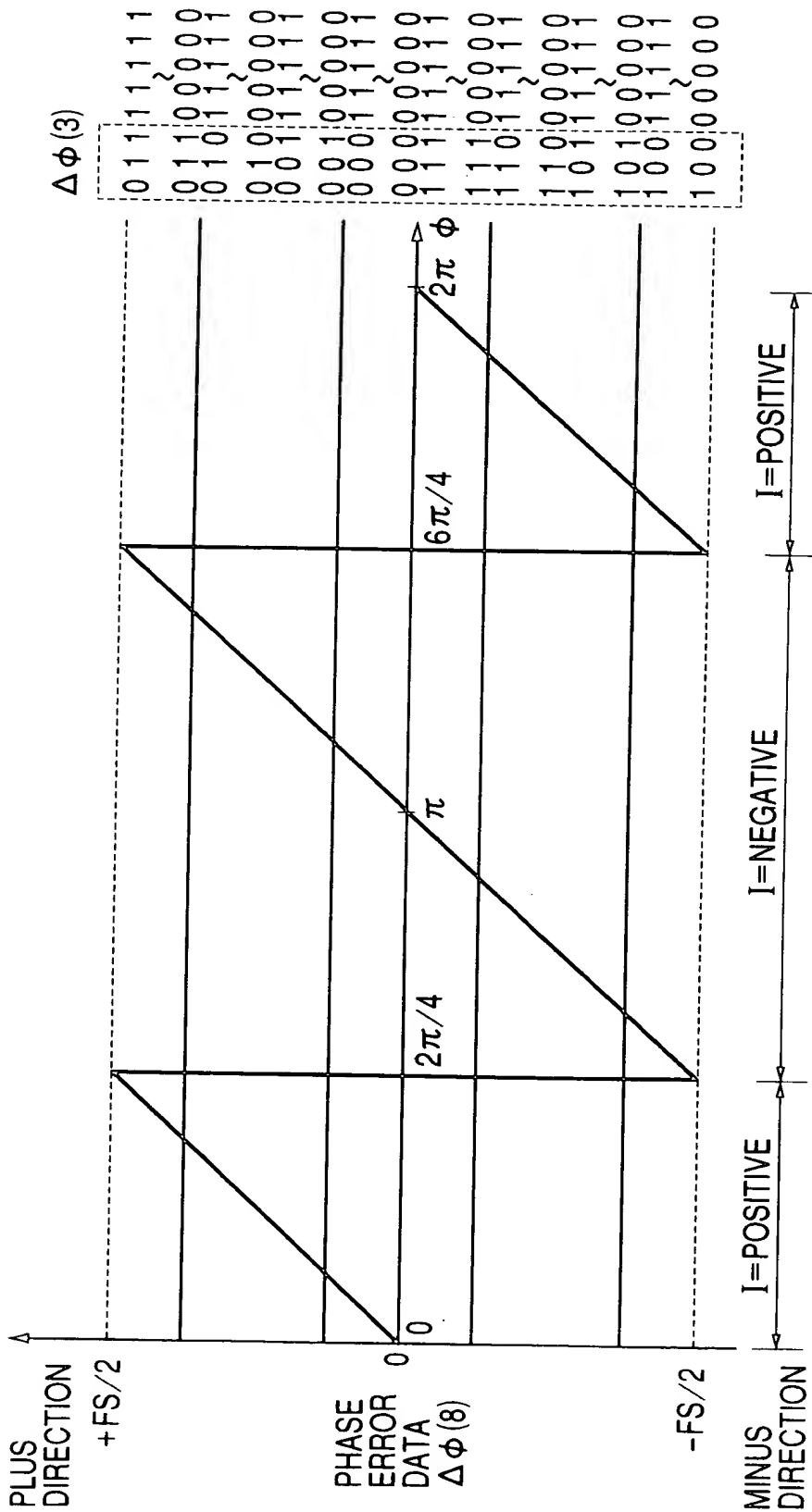


FIG. 19

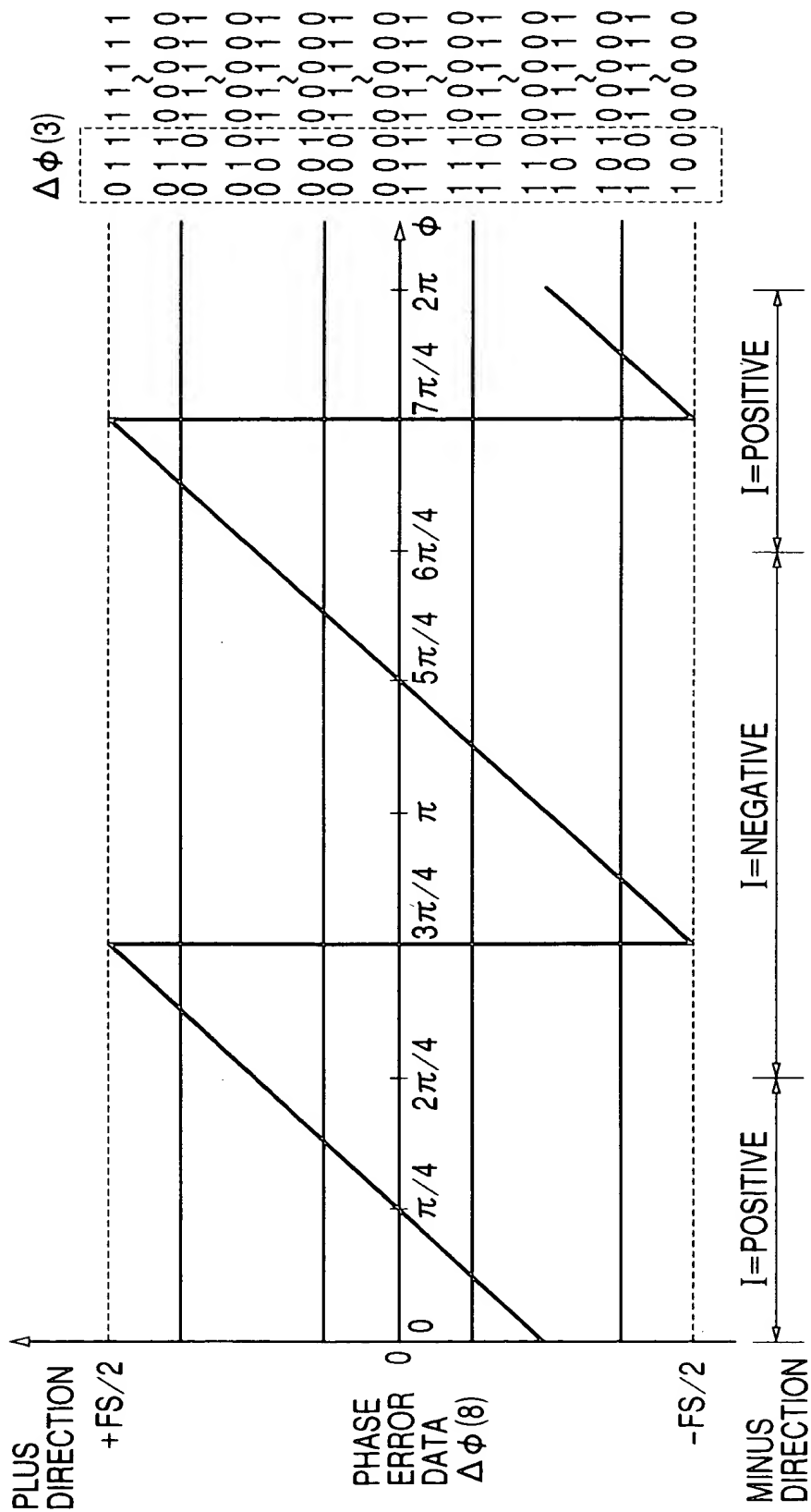


FIG. 20

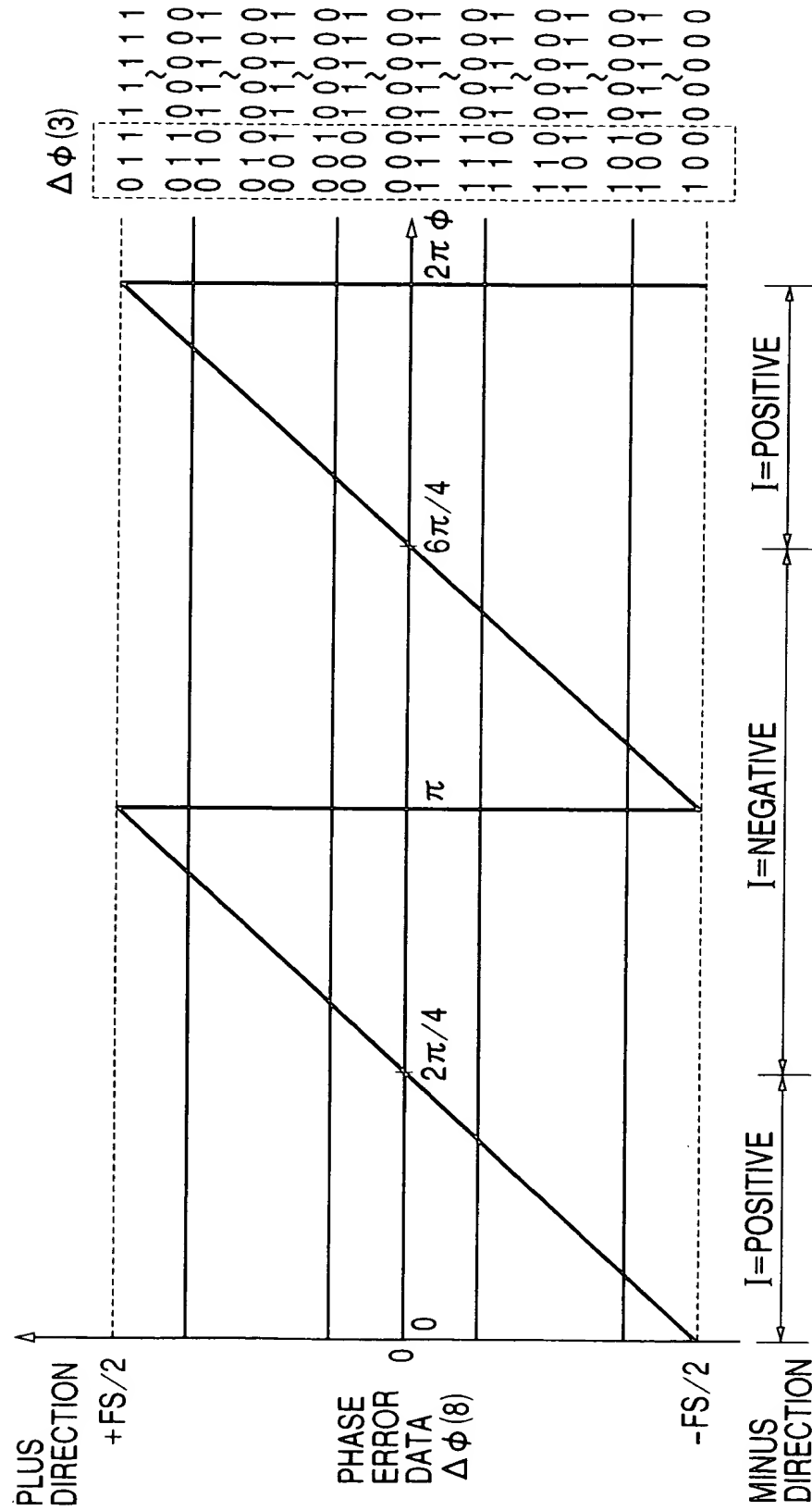


FIG. 21

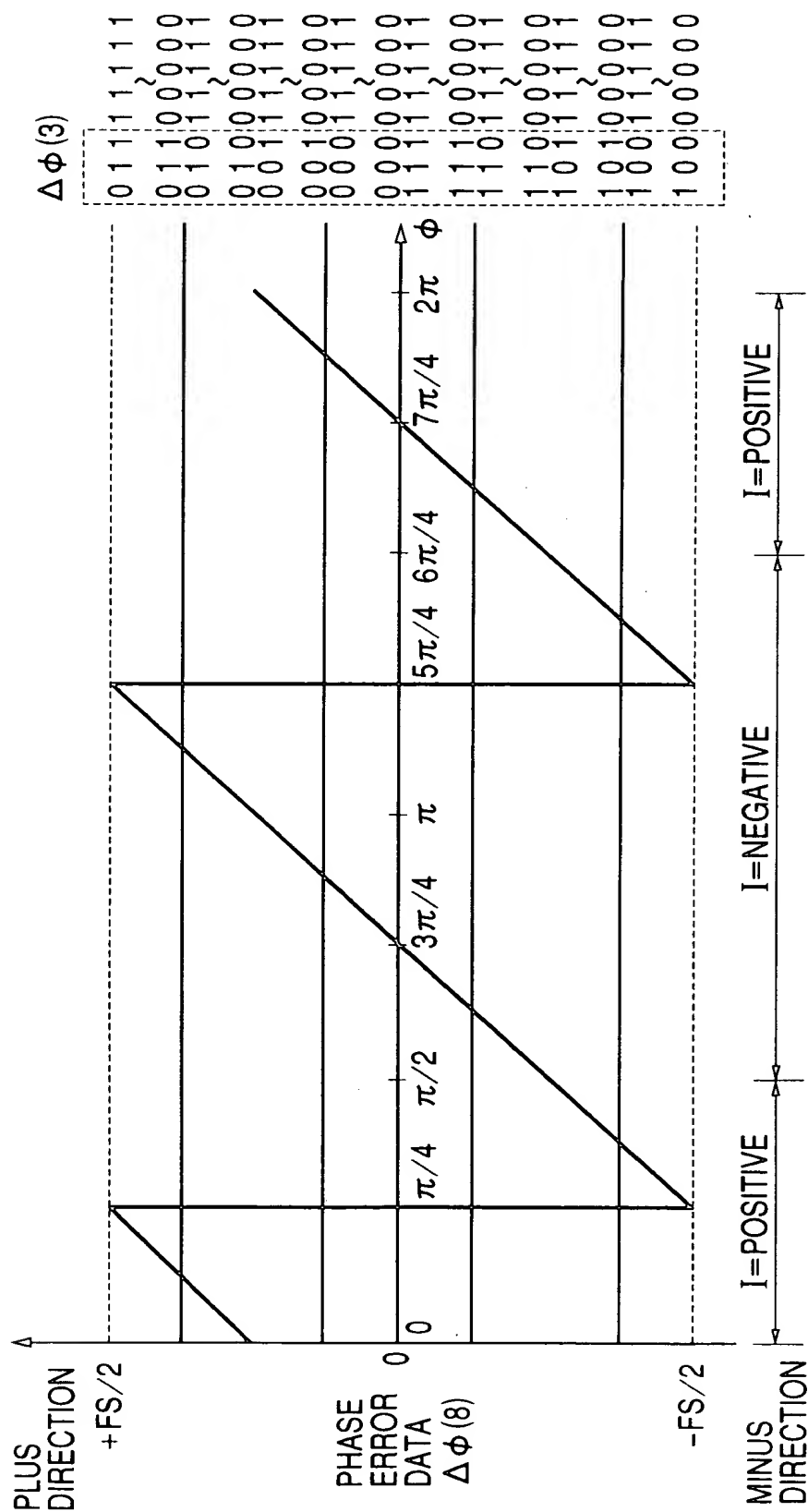


FIG. 22

FRAME SYNC DETECTION/REPRODUCTION CIRCUIT 2

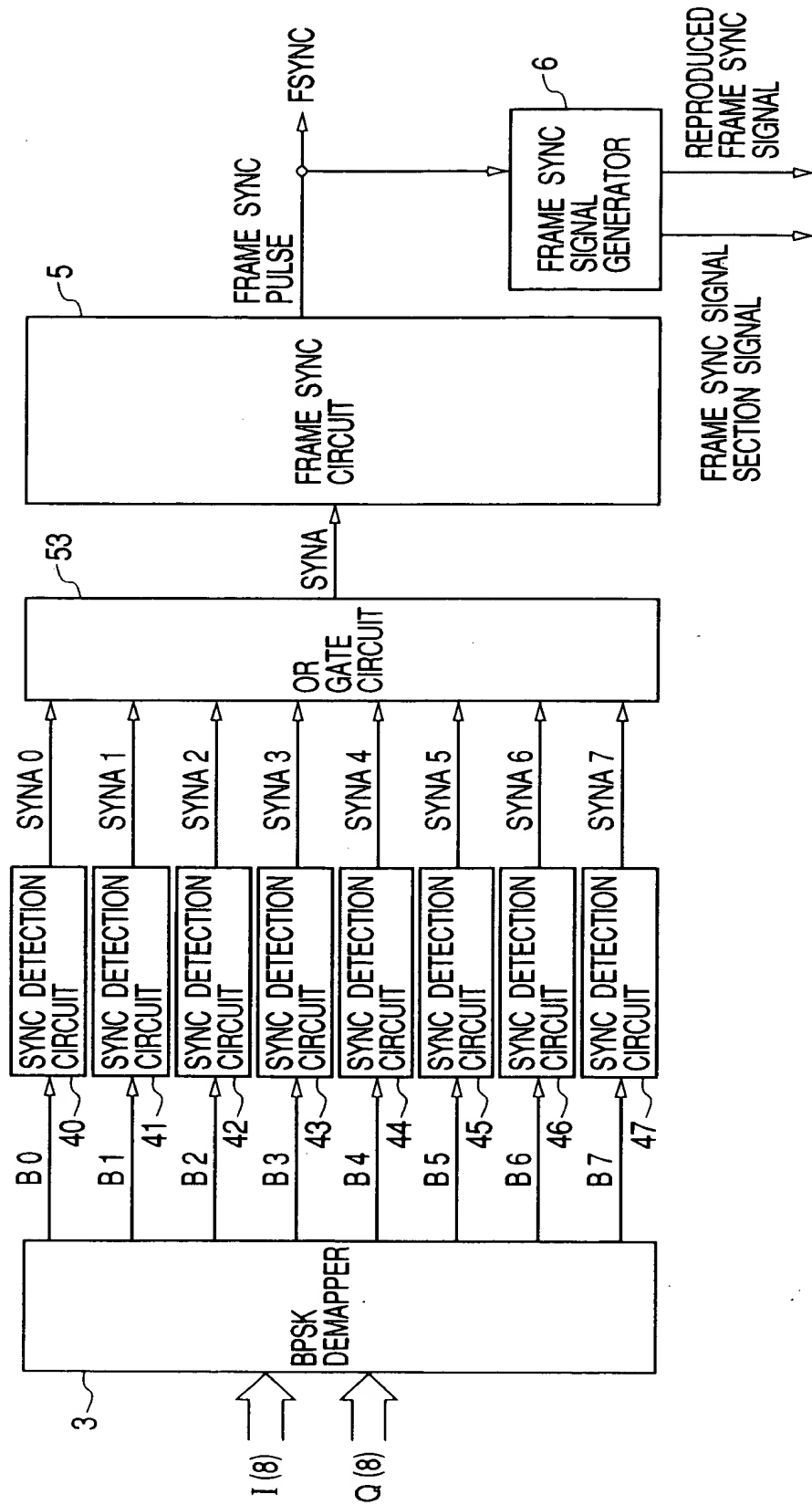


FIG. 23A

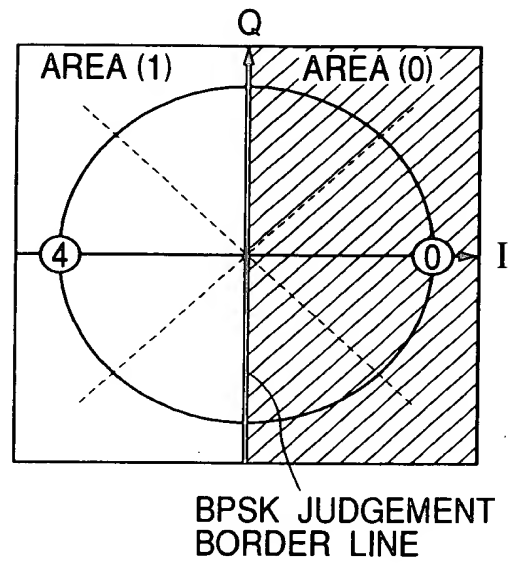


FIG. 23B

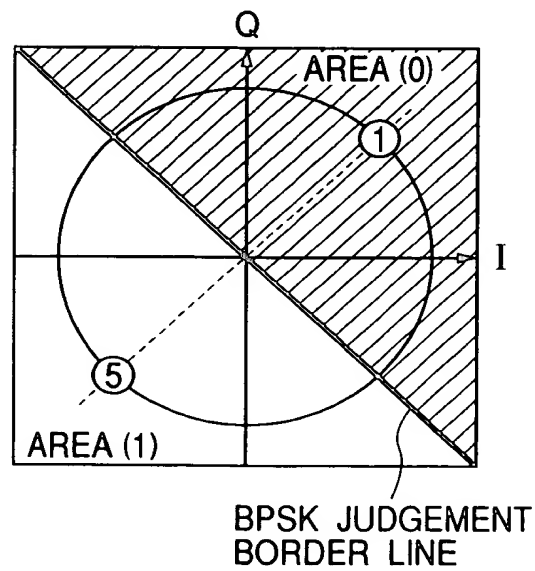


FIG. 24

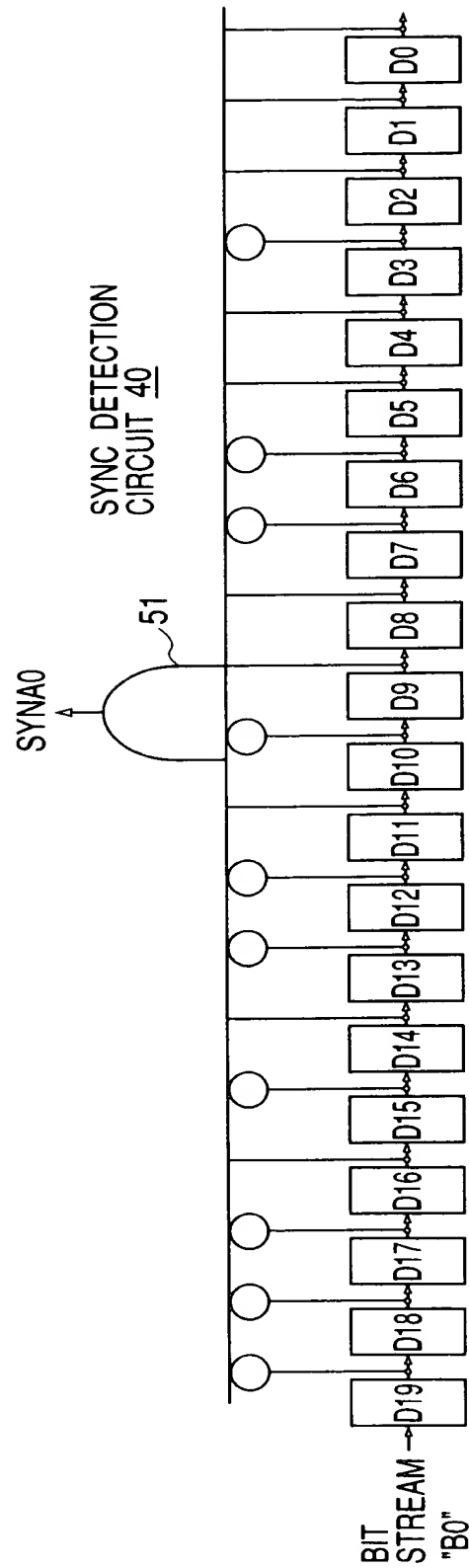
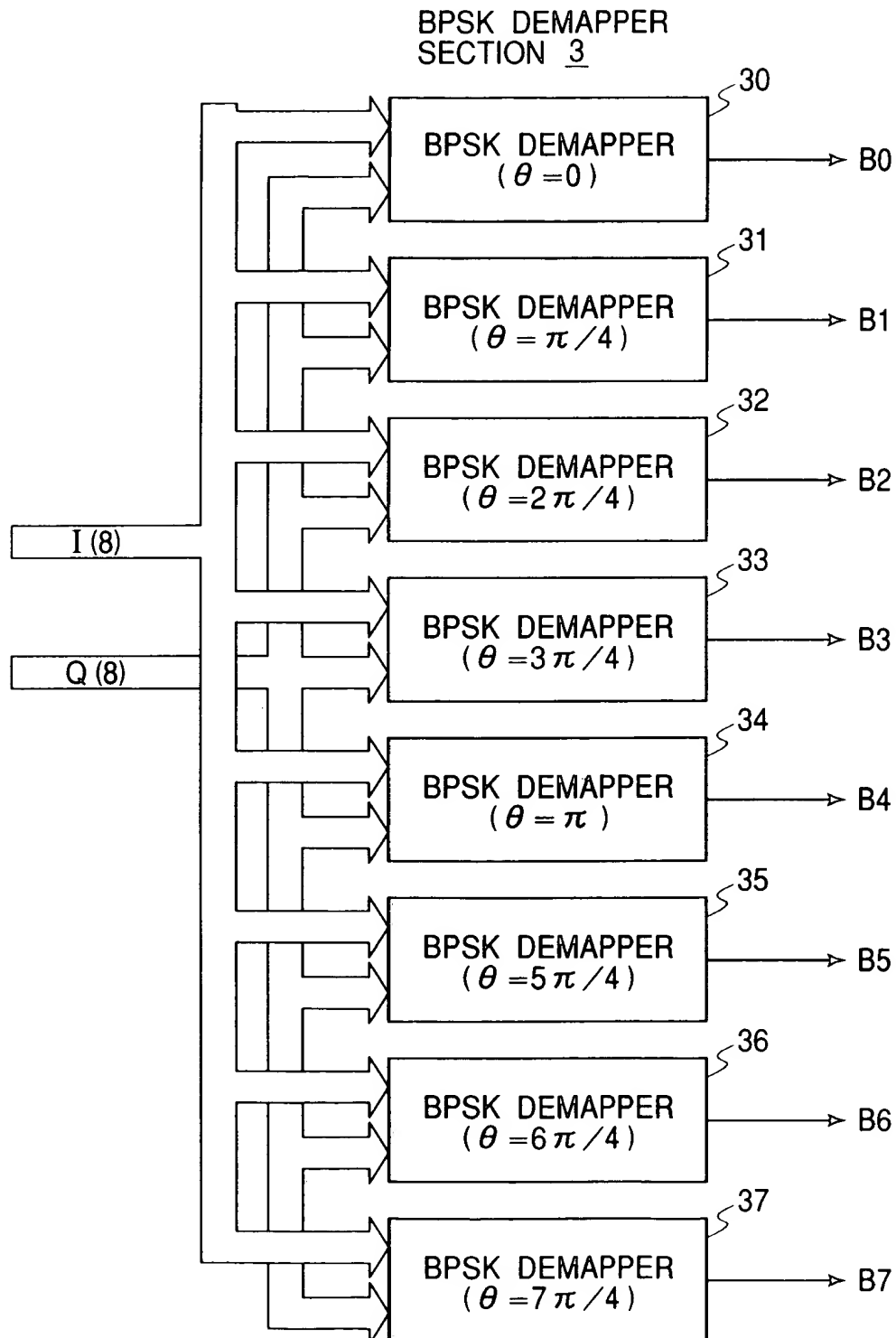


FIG. 25





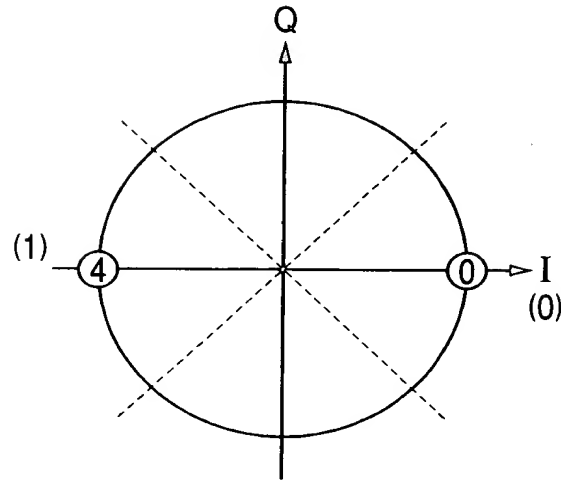
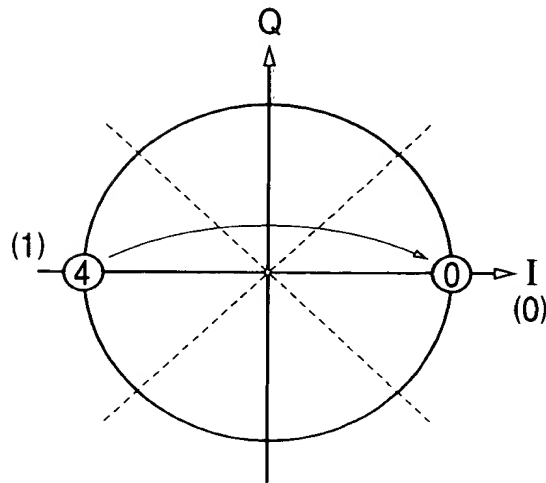
*FIG. 26A**FIG. 26B*

FIG. 27

